

Olympus VS-120 Slide scanner

Location

Campus Biotech - B303 Room 191.116

Microscope

Olympus upright

Objectives

Magnification	NA	Immersion	WD (mm)
2X	0.08	dry	6.2
4X	0.16	dry	13
10X	0.40	dry	3.1
20X	0.75	dry	0.55
40X	0.95	dry	0.13

Filter cubes

Fluorophore	Excitation	Mirror	Emission
Dapi	392/23	Quadruple BP	433/24
GFP	474/27	Quadruple BP	520/35
Cy3	554/23	Quadruple BP	600/37
Cy5	635/18	Quadruple BP	680/42

Illumination

Spectra-X LED

Detection

Camera	XM10	Pike F505
Type	Monochrome CCD	Color CCD
Dynamical range	14 bit	8 bit
Pixel size	6.45 μm	3.45 μm
Full frame size	1376 x 1032	2452x2054
Frame rate	15 fps full frame	15 fps full frame

Stage

Motorized

Focus

Motorized automatic control

Software

VS-ASW

Application

Whole slide digitization

Tile scanning

Serial and automatized fluorescence/BF microscopy